



4-25-01 Express Mail Label No. EL722984036US

Rec'd PCT/PTO 24 APR 2001

09/701104 #9

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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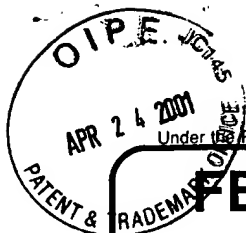
<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/701,104	
	Filing Date	22 November 2000	
	First Named Inventor	Magerl et al.	
	Group Art Unit	Not Yet Known	
	Examiner Name	Not Yet Known	
Total Number of Pages in This Submission	11	Attorney Docket Number	LUD-PT002 (PA1083US)

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Response to Notification of Missing Requirements; copy of Notification of Missing Requirements; and signed Declaration for Utility or Design Patent Application.
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Alfred Stapler, Esquire Volpe and Koenig, P.C.	Reg. No. 16,675
Signature	<i>A Stapler</i>	
Date	4/24/01	

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express mail in an envelope addressed to: Assistant Commissioner for Patents, Box PCT, Washington, DC 20231		
		24 April 2001
Typed or printed name	Alfred Stapler, Esquire	
Signature	<i>A Stapler</i>	Date 4/24/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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09/701/104

#4

Volpe and Koenig, P.C. Revision of

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL**  
**for FY 2001**

*Patent fees are subject to annual revision.*

<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\$)</b> 260.00
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Complete if Known	
Application Number	09/701,104
Filing Date	22 November 2000
First Named Inventor	Maderl et al.
Examiner Name	Not Yet Known
Group Art Unit	Not Yet Known
Attorney Docket No.	LUD-PT002 (PA1083US)

METHOD OF PAYMENT	
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	
Deposit Account Number	22-0493
Deposit Account Name	Volpe and Koenig, P.C.
<input checked="" type="checkbox"/> Charge Any Deficiency or Credit any Overpayment in the Total Fees Associated with this Communication	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	
2. <input checked="" type="checkbox"/> Payment Enclosed:	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other	

FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Fee Code	Large Entity (\$)	Small Entity (\$)	Fee Code	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	65.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	195.00
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
*Reduced by Basic Filing Fee Paid.					
<b>SUBTOTAL (3)</b>					<b>(\$)</b> 260.00

FEE CALCULATION					
1. BASIC FILING FEE					
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid		
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>(\$)</b> 0.00
2. EXTRA CLAIM FEES					
Total Claims		Extra Claims	Fee from below	Fee Paid	
Independent Claims					
Multiple Dependent					
Large Entity Fee Code (\$)					
Small Entity Fee Code (\$)					
Fee Description					
103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2)</b>					<b>(\$)</b> 0.00
**or number previously paid, if greater; For Reissues, see above					

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Alfred Stapler, Esquire	Registration No. (Attorney/Agent)	16,675
Signature	<i>Alfred Stapler</i>	Telephone	215-568-6400
		Date	4/24/01

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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09/701104 #4

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: ASSISTANT COMMISSIONER FOR PATENTS  
Box PCT  
Washington, D.C. 20231

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/701104	MAGERL	F
VOLPE AND KOENIG SUITE 400 ONE PENN CENTER 1617 JOHN F KENNEDY BOULEVARD PHILADELPHIA, PA 19103		11JD-PT002 PA
INTERNATIONAL APPLICATION NO.		
PCT/EP99/03618		
I.A. FILING DATE		PRIORITY DATE
26 MAY 99		27 MAY 98
DATE MAILED: 25 JAN 2001		

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as

- ☐ a Designated Office (37 CFR 1.494),
- ☒ an Elected Office (37 CFR 1.495):
- ☒ U.S. Basic National Fee.
- ☒ Copy of the international application in:
  - ☒ a non-English language.
  - ☐ English.
- ☒ Translation of the international application into English.
- ☐ Oath or Declaration of inventors(s) for DO/EO/US.
- ☐ Copy of Article 19 amendments.
- ☐ Translation of Article 19 amendments into English.
- ☐ The International Preliminary Examination Report in English and its Annexes, if any.
- ☒ Translation of Annexes to the International Preliminary Examination Report into English.
- ☒ Preliminary amendment(s) filed NOV 22 2000 and
- ☐ Information Disclosure Statement(s) filed and
- ☐ Assignment document.
- ☐ Power of Attorney and/or Change of Address.
- ☐ Substitute specification filed
- ☐ Verified Statement Claiming Small Entity Status.
- ☒ Priority Document.
- ☒ Copy of the International Search Report and copies of the references cited therein.
- ☐ Other:

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AM/PM

JAN 31 2001

VOLPE & KOENIG, P.C.

2. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- ☐ a. Translation of the application into English. Note a processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.
  - ☐ The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.
- ☐ b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).
- ☒ c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
  - ☐ The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.
- ☒ d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).

3. Additional claim fees of \$ \_\_\_\_\_ as a ☐ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due. See attached PTO-875.

**ALL OF THE ITEMS SET FORTH IN 2(a)-(d) AND 3 ABOVE MUST BE SUBMITTED WITHIN ONE MONTH FROM THE DATE OF THIS NOTICE OR BY ☐ 21 OR ☒ 31 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

4. Translation of the Annexes **MUST** be submitted no later than the time period set above or the annexes will be cancelled. Note processing fee will be required if submitted later than 30 months from the priority date.

5. ☐ The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

**A copy of this notice *MUST* be returned with this response.**

Enclosed:

- ☐ PCT/DO/EO/917
- ☐ PTO-875

☐ Notice of Defective Translation

FORM PCT/DO/EO/905 (December 1997)

John L. Anderson

Telephone: 703-308-9116

DOCKETED FOR 2/25/01 missing requirements

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MAY 11 2001  
TC 1700 MAIL ROOM



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09/701 104 #4

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Magerl et al.

**Application No.:** 09/701,104

**Filed:** 22 November 2000

**For:** COMPOSITE OF POLYMER OR CERAMIC  
MATERIALS AND COMPONENT MADE  
OF SUCH A COMPOSITE

**Group:** Not Yet Known

**Examiner:** Not Yet Known

**Our File:** LUD-PT002  
(PA1083US)

**Date:** 24 April 2001

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

Assistant Commissioner for Patents  
Box PCT  
Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements, the following are enclosed:

05/09/2001 WCLAYBRD 00000011 09701104

01 FC:254  
02 FC:216

1. Fee Transmittal Form (1 pg.) in triplicate;  
65.00 OP  
195.00 OP
2. Copy of Notification of Missing Requirements (1 pg.);
3. Executed Declaration for Utility or Design Patent Application (4 pgs.);
4. Petition for Extension of Time (1 pg.) in duplicate; and
5. A check in the amount of \$260.00 as payment of the surcharge and the fee for  
a two-month Extension for a small entity.

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Rec'd PCT/PTO 24 APR 2001

09/701104

Applicant: Magerl et al.

Application No.: 09/701,104

This filing is believed to fulfill all the requirements for filing this U.S. National Phase application. Examination is now requested.

Respectfully submitted,

Magerl et al.

By *Alfred Stapler*  
Alfred Stapler, Esquire  
Registration No. 16,675  
(215) 568-6400

Volpe and Koenig, P.C.  
Suite 400, One Penn Center  
1617 John F. Kennedy Boulevard  
Philadelphia, PA 19103

AS/phn  
Enclosures

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